

FIGURE 1

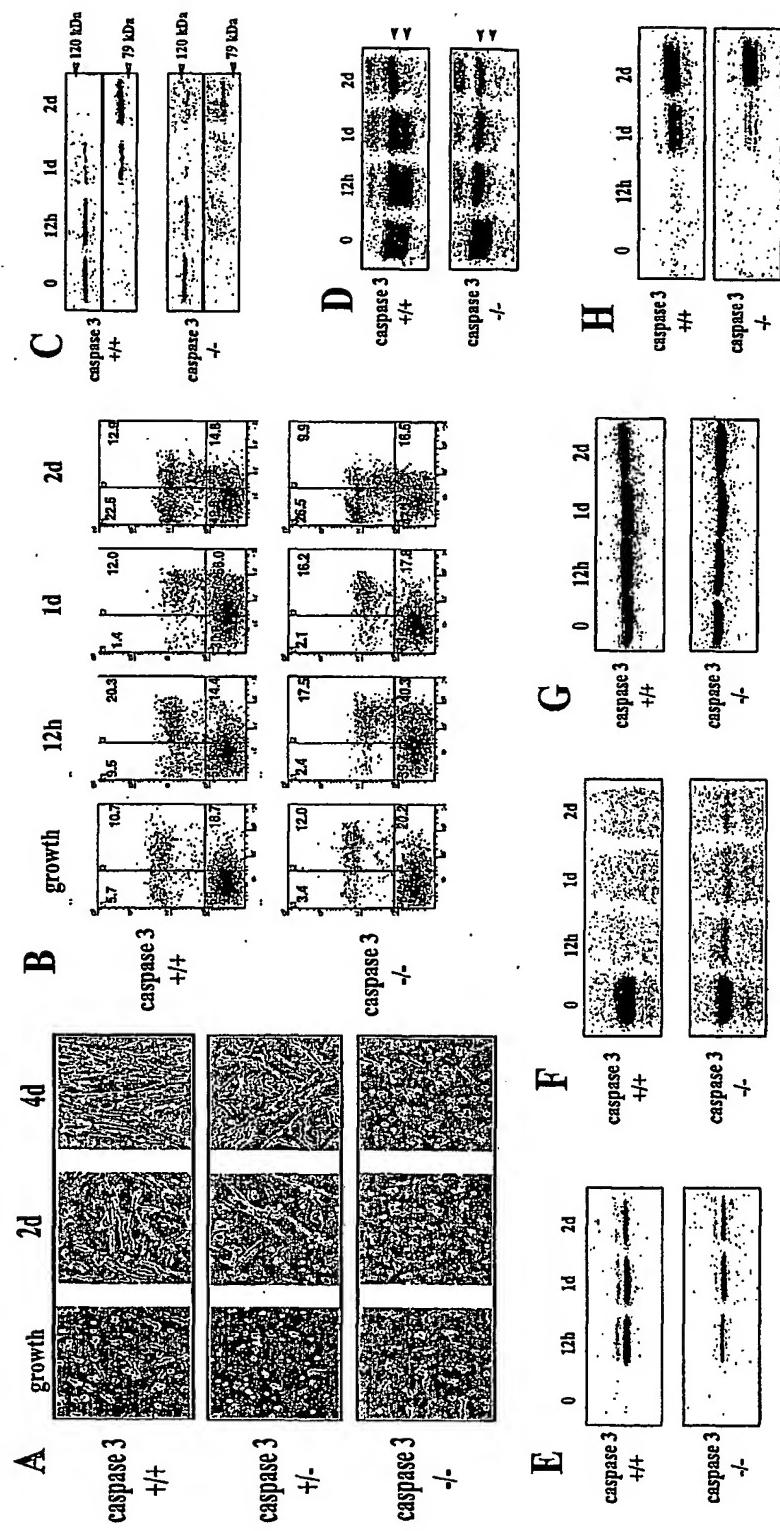


FIGURE 2

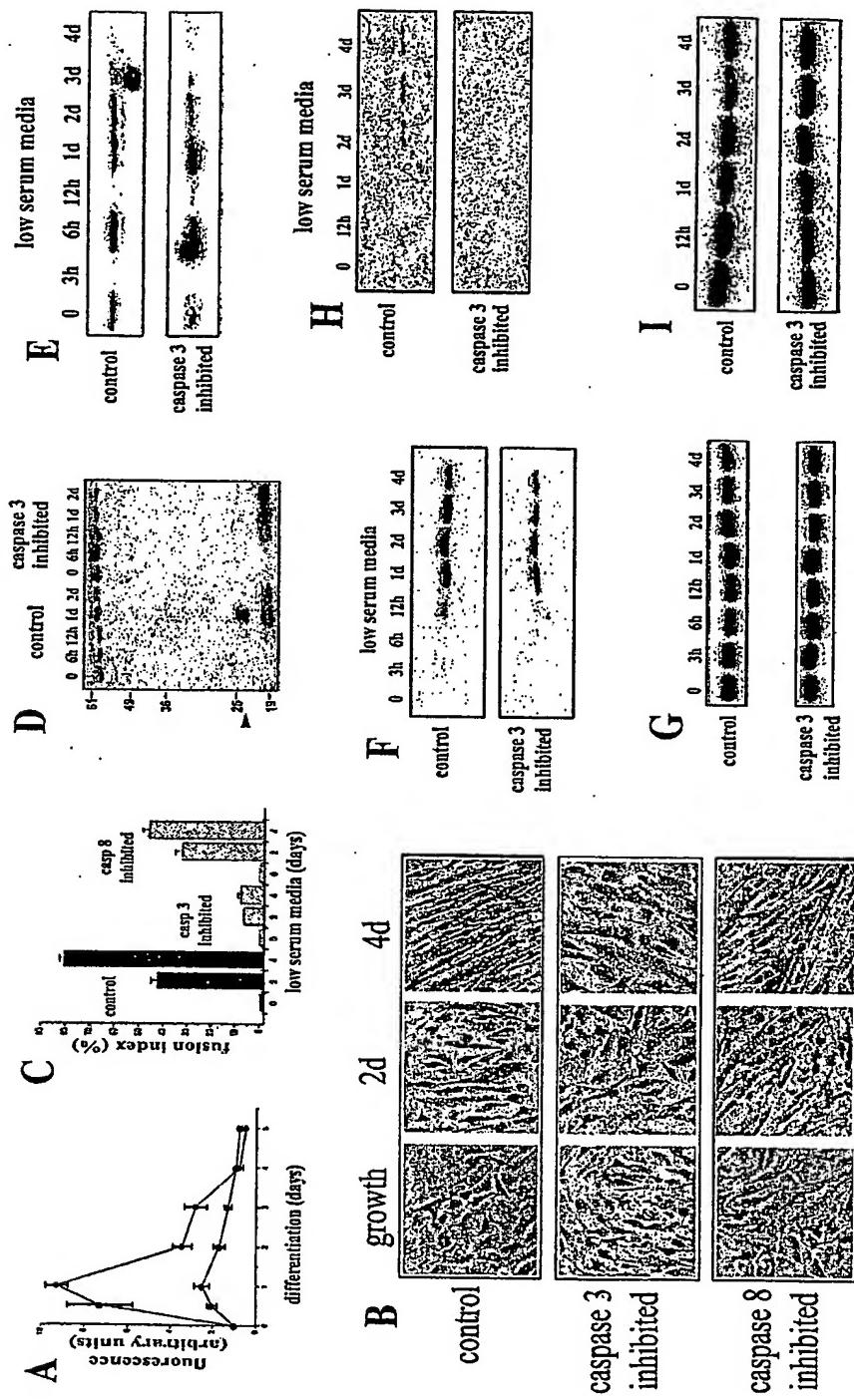
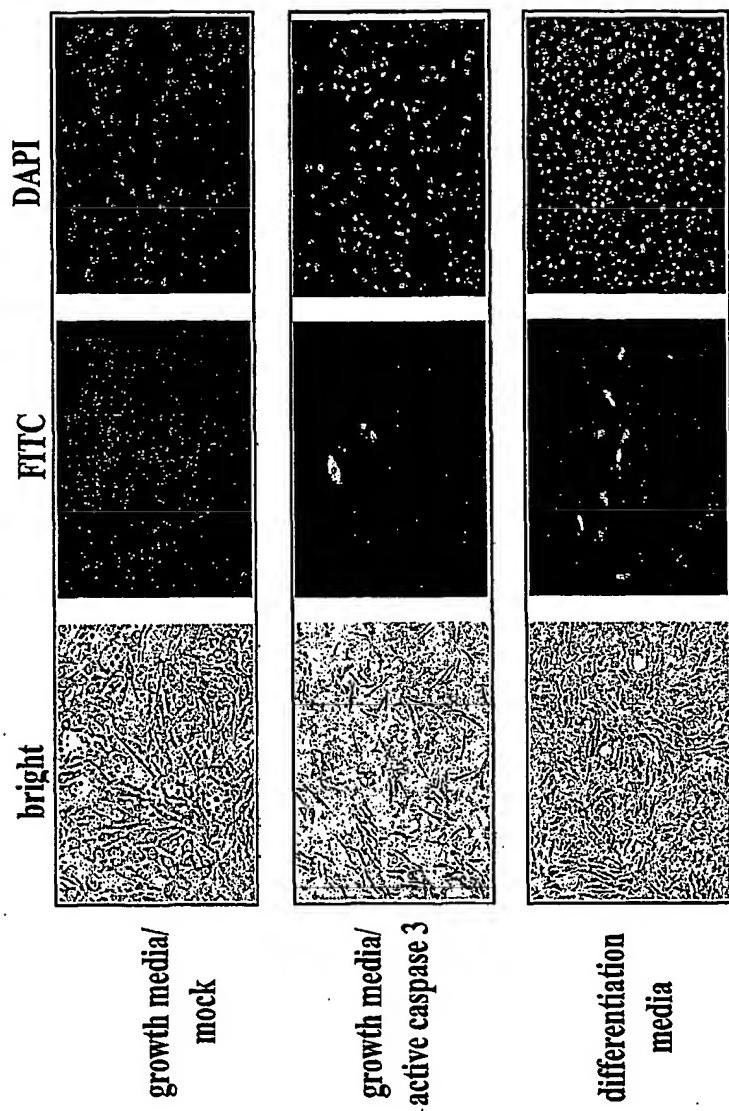


FIGURE 3

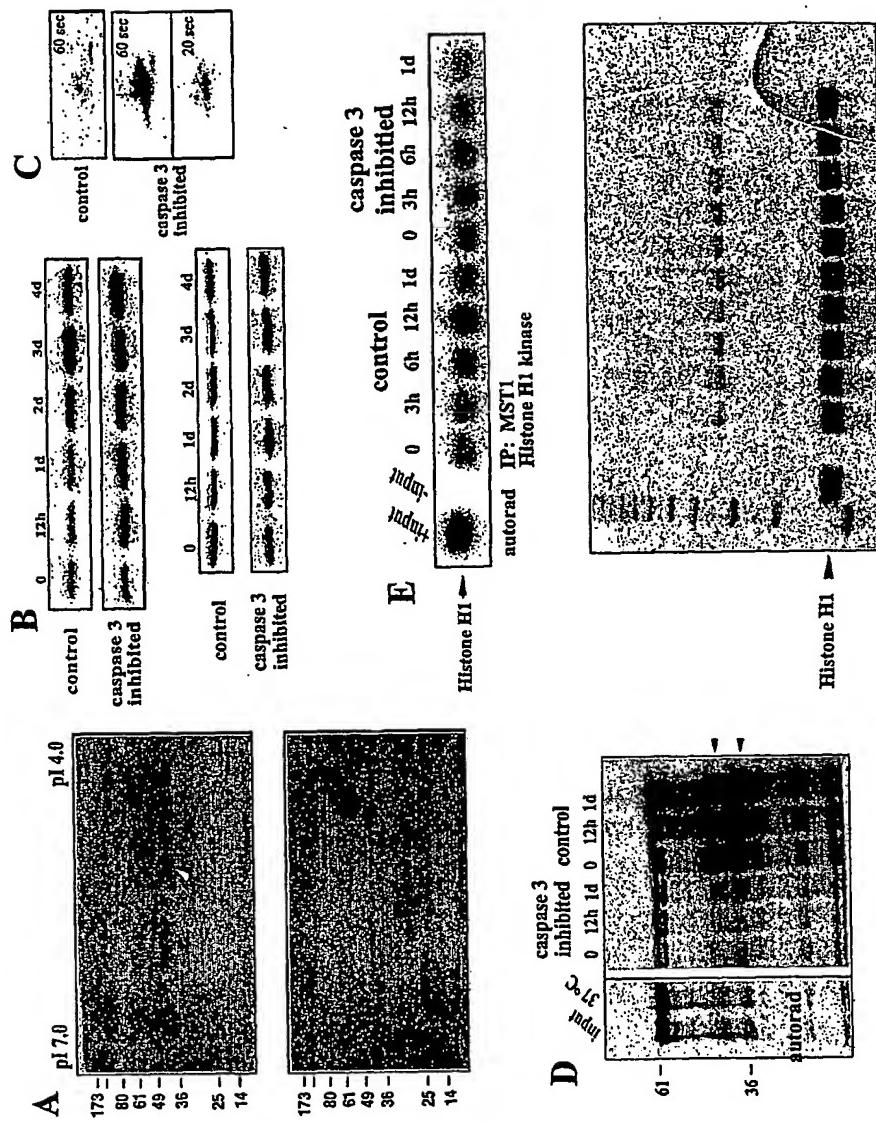


10/538767

WO 2004/053144

PCT/CA2003/001911

FIGURE 4

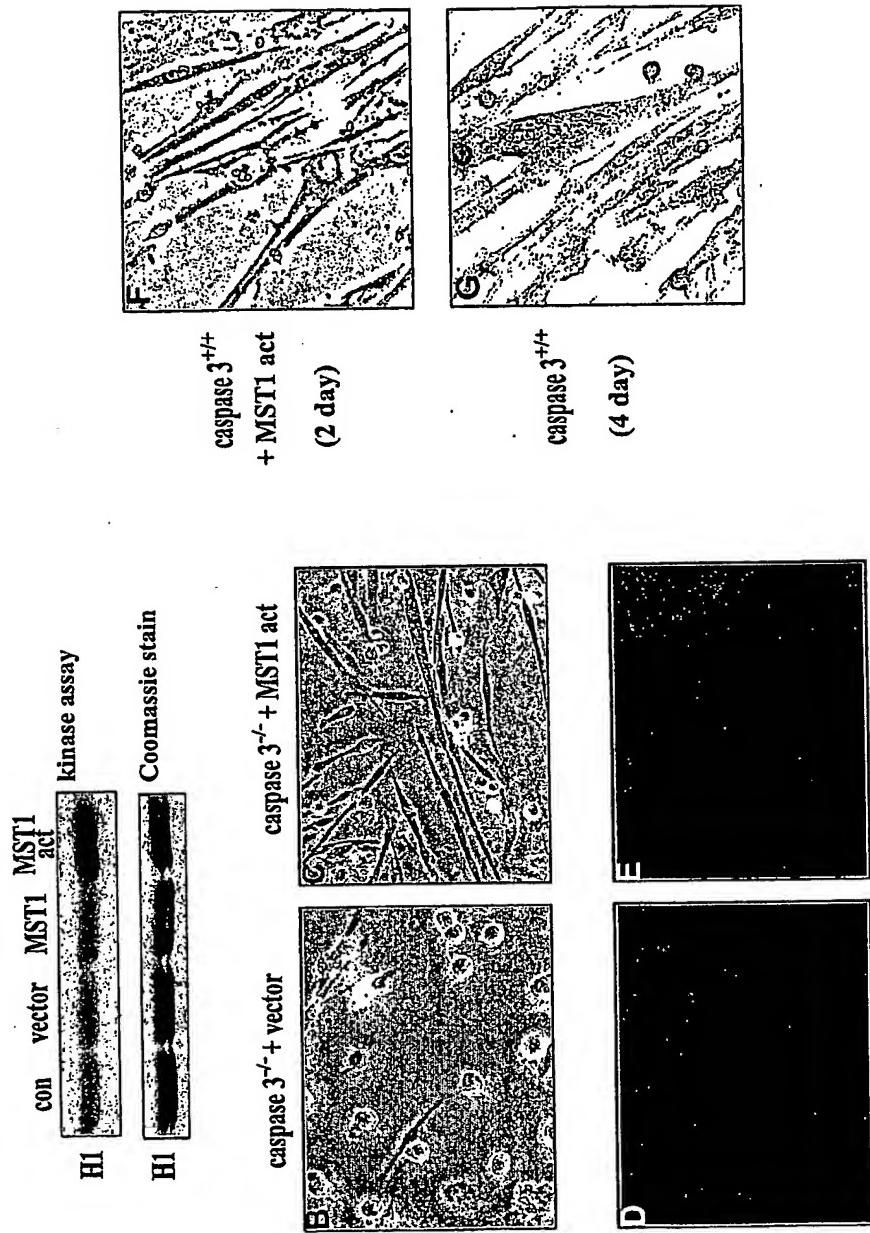


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PCT/CA2003/001911

FIGURE 5



## FIGURE 6

1 atggagaaca ctgaaaactc agtggattca aaatccatta aaaatttggaa accaaagatc  
61 atacatggaa gcgaatcaat ggactctgga atatccctgg acaacagtta taaaatggat  
121 tatcctgaga tgggttatg tataataatt aataataaga attttcataa aagcactggaa  
181 atgacatctc ggtctggtagt agatgtcgat gcagcaaacc tcaggaaac attcagaaac  
241 ttgaaatatg aagtcaagaa taaaaatgtat cttacacgtg aagaatttgtt ggaattgtatg  
301 cgtgatgttt ctaaagaaga tcacagcaaa aggaggcgtt ttgttgtgt gcttcgtgac  
361 catggtaag aaggaataat ttttggaaaca aatggacctg ttgacctgaa aaaaataaca  
421 aacttttca gaggggatcg ttgtagaagt ctaactggaa aacccaaact tttcatttt  
481 caggcctgcc gttgtacaga actggactgt ggcattgaga cagacagtgg tttgtatgt  
541 gacatggcggt gtcataaaat accagtggag gccgacttct tgtatgcata ctccacagca  
601 cctggttatt attcttggcg aaattcaaag gatggctctt ggttcatcca gtgccttgt  
661 gccatgtga aacagtatgc cgacaagctt gaatttatgc acattttac ccgggttaac  
721 cgaaagggtgg caacagaatt tgagtcctt tccttgacg ctactttca tgcaaagaaa  
781 cagattccat gtatttttc catgctcaca aaagaactctt atttttatca ctaa

## FIGURE 7

**A.**

1       mentensvds ksiknlepki ihgsesmdsg isldnsykmd ypemglci nnknfhkstg  
61      mtsrsqtdvd aanlretfrm lkyevrnknd ltreeivelm rdvskedhsk rssfvcvlls  
121     hgeegiifgt ngpvdlkkit nffrgdrcrs ltgkpklfii qacrgteldc gietdsgvdd  
181     dmachkipve adflyaysta pgyyswrnsk dgswfiqslc amlkqyadkl efmhiltvn  
241     rkvatefefsf sfdatfhakk qipcivsmlt kelyfyh

**B.**

s ksiknlepki ihgsesmdsg isldnsykmd ypemglci nnknfhkstg  
mtsrsqtdvd aanlretfrm lkyevrnknd ltreeivelm rdvskedhsk rssfvcvlls  
hgeegiifgt ngpvdlkkit nffrgdrcrs ltgkpklfii qacrgteldc gietdsgvdd  
dmachkipve adflyaysta pgyyswrnsk dgswfiqslc amlkqyadkl efmhiltvn  
rkvatefefsf sfdatfhakk qipcivsmlt kelyfyh

**C.**

sg isldnsykmd ypemglci nnknfhkstg  
mtsrsqtdvd aanlretfrm lkyevrnknd ltreeivelm rdvskedhsk rssfvcvlls  
hgeegiifgt ngpvdlkkit nffrgdrcrs ltgkpklfii qacrgteldc gietdsgvdd  
dmachkipve adflyaysta pgyyswrnsk dgswfiqslc amlkqyadkl efmhiltvn  
rkvatefefsf sfdatfhakk qipcivsmlt kelyfyh

**D.**

sg isldnsykmd ypemglci nnknfhkstg  
mtsrsqtdvd aanlretfrm lkyevrnknd ltreeivelm rdvskedhsk rssfvcvlls  
hgeegiifgt ngpvdlkkit nffrgdrcrs ltgkpklfii qacrgteldc gietd

**E.**

sgvdd  
dmachkipve adflyaysta pgyyswrnsk dgswfiqslc amlkqyadkl efmhiltvn  
rkvatefefsf sfdatfhakk qipcivsmlt kelyfyh

## FIGURE 8

1   ccggctgctggcatggccatggagacggtacagctgaggaacccgccgcggcagct  
61   aaaaaagtggatgaagatagttAACCAAACAACCGAGAAGTATTGATGTCTAGA  
121   gaaacttggagaagggtctatggcagcgatacaaagctattcataaagagaccggcca  
181   gattttgctattaagcaagttcctgtggaatcagacccctcatgttagtcaaataattatggcagtttttaa  
241   ctctataatgcagcaatgtgacagccccatgttagtcaaataattatggcagtttttaa  
301   gaacacagacttatggatcgatggactgtggggctggctctgtatctgatatcat  
361   tcgattacgaaataaaacgttaacagaagatgaaatagctacaatattacaatcaactct  
421   taagggacttgaataaccttcattttatgagaaaaatacaccgagatatcaaggcaggaaa  
481   tattttgctaaatacagaaggacatgcaaaacttgtcagattttgggttagcaggtaact  
541   tacagataccatggccaagcggaatacagtgtatgatggacaccattttggatggctccaga  
601   agtgattcaggaaattggatacaactgtgttagcagacatctggccctggaaataactgc  
661   catagaaaatggctgaagggaaagcgcccttatgtgatatccatccatgaggcaatctt  
721   catgattcctacaaatccctcccacattccgaaaaccagagctatggtcagataactt  
781   tacagattttgtgaacacagtgtttgtaaagagccctgagcagaggccacagccactca  
841   gctcctgcagcacccatttgtcaggagtgcacaaaggagtgtcaataactgcgagacttaat  
901   taatgaagccatggatgtgaaactgaaacgcaggaaatcccacgcggaaatggacca  
961   ggacgatgaagaaaactcagaagaggatgaaatggattctggcacatggatggcagcagt  
1021   gggtgatgagatggcactgtccgagtagccacccatgactgtgagccaaactat  
1081   gattgagcacgatgacacgttgccatcacaactggcaccatggatcaatgcagagga  
1141   tgaggaagaggaaggaactatgaaaagaagggatgagaccatgcagccctgcgaaaccatc  
1201   ctttctgtaattttgaaacaaaagaaaaggaaaaccatgacatgcagttggcaagag  
1261   tgtacctggtccactgaaaaattttcagattggaaaataccacaggatggagactacga

FIGURE 8 cont'd

## FIGURE 9

1 metvqlrnpp rrqlkklded sltkqpeevf dvleklgegs ygsvykaihk etgqivaikq  
61 vpvesdlqei ikeisimqqc dsphvvkyyg syflkntdlwi vmeycgagsv sdiirlrnkt  
121 ltedeiatil qstlkgleyl hfmrkihrdi kagnillnte ghakladfgv agqltdtmak  
181 rntvigtpfw mapeviqeig yncvadiwsl gitaiemaeg kryadihpm raifmiptnp  
241 pptfrkpelw sdnftdfvkq clvkspeqra tatqlqhpf vrsakgvsil rdlineamdv  
301 klkrquesqqr emdqdddeens eedemdshtm vravgdemgt vrvastmtdg antmiedddt  
361 lpsqlgtmvi naedeeeegt mkrrdetmqp akpsfleyfe qkekenqins fgksvpgrplk  
421 nssdwkipqd gdyeflkswt vedlqkrlla ldpmmeqeie eirqkyqskr qpildaieak  
481 krrqqnf

FIGURE 10A

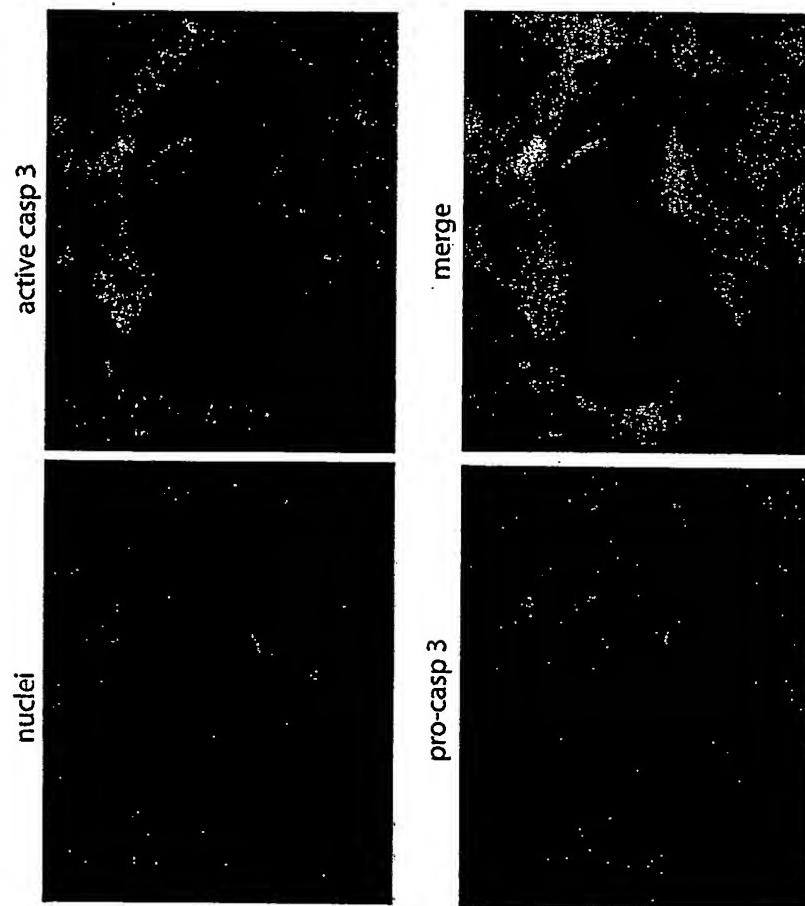


FIGURE 10B

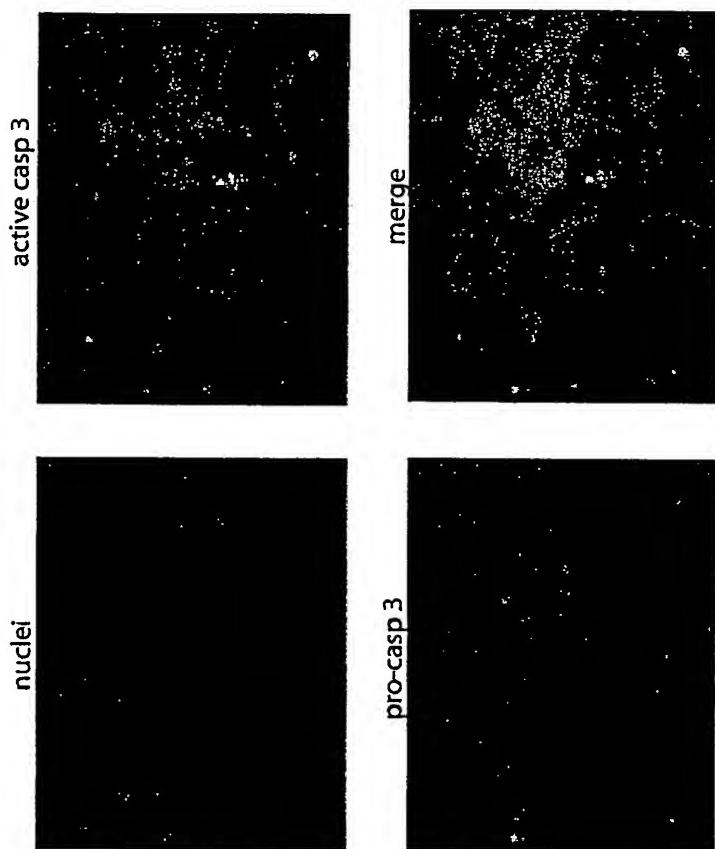


FIGURE 10C

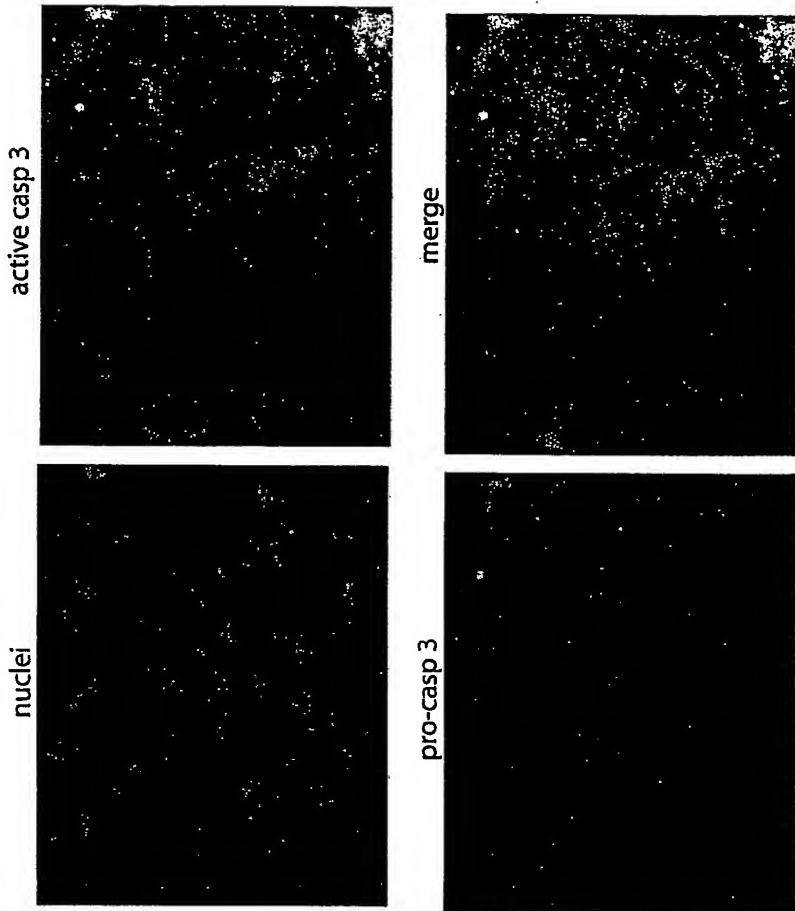


FIGURE 10D

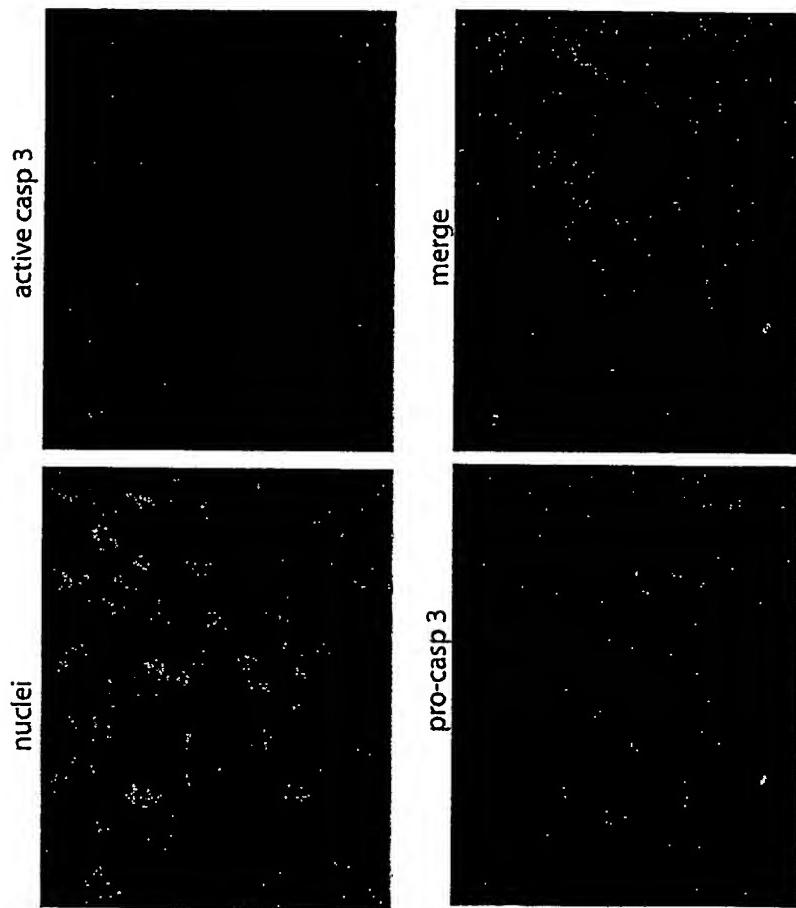


FIGURE 11A

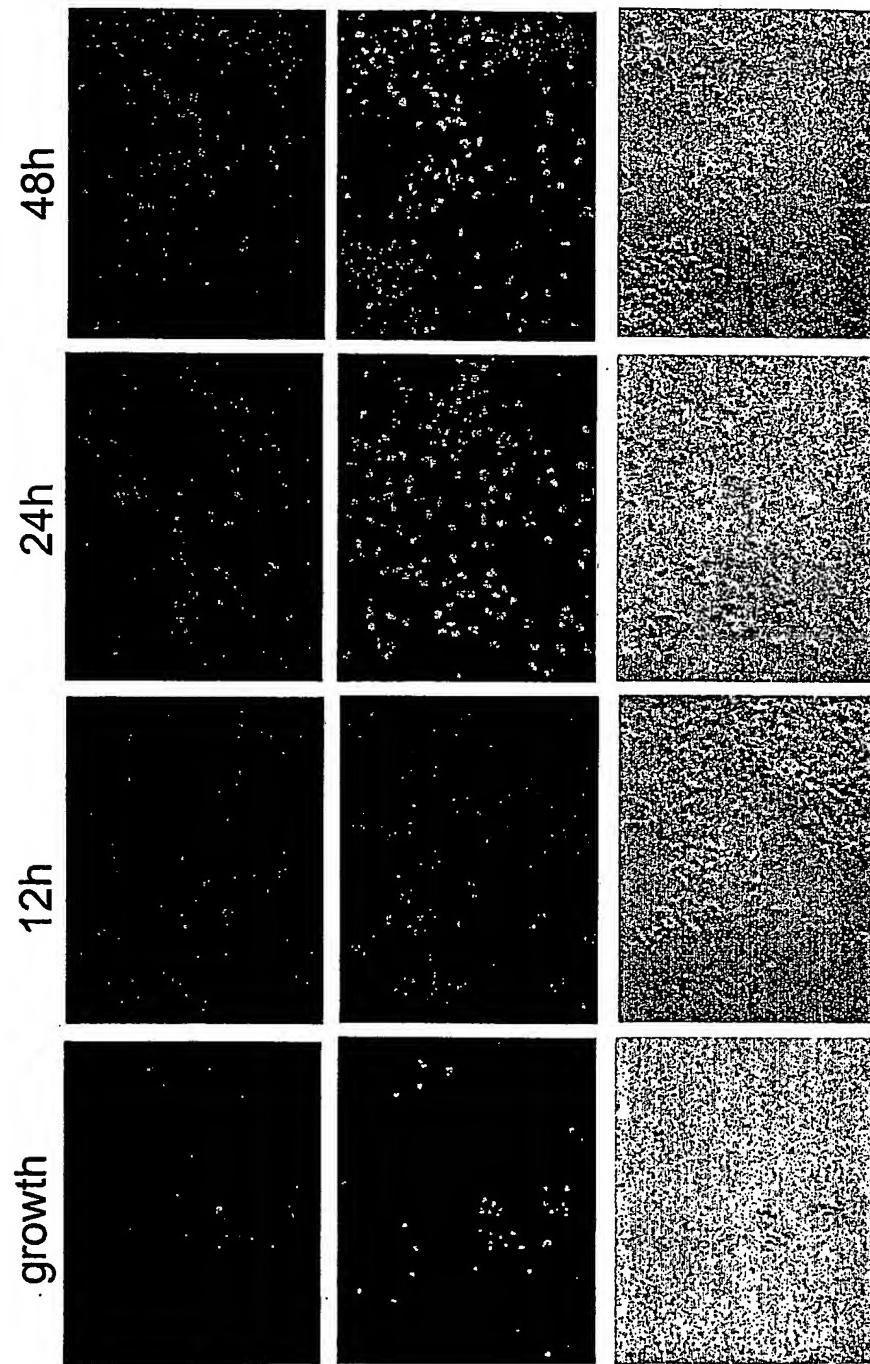


FIGURE 11B

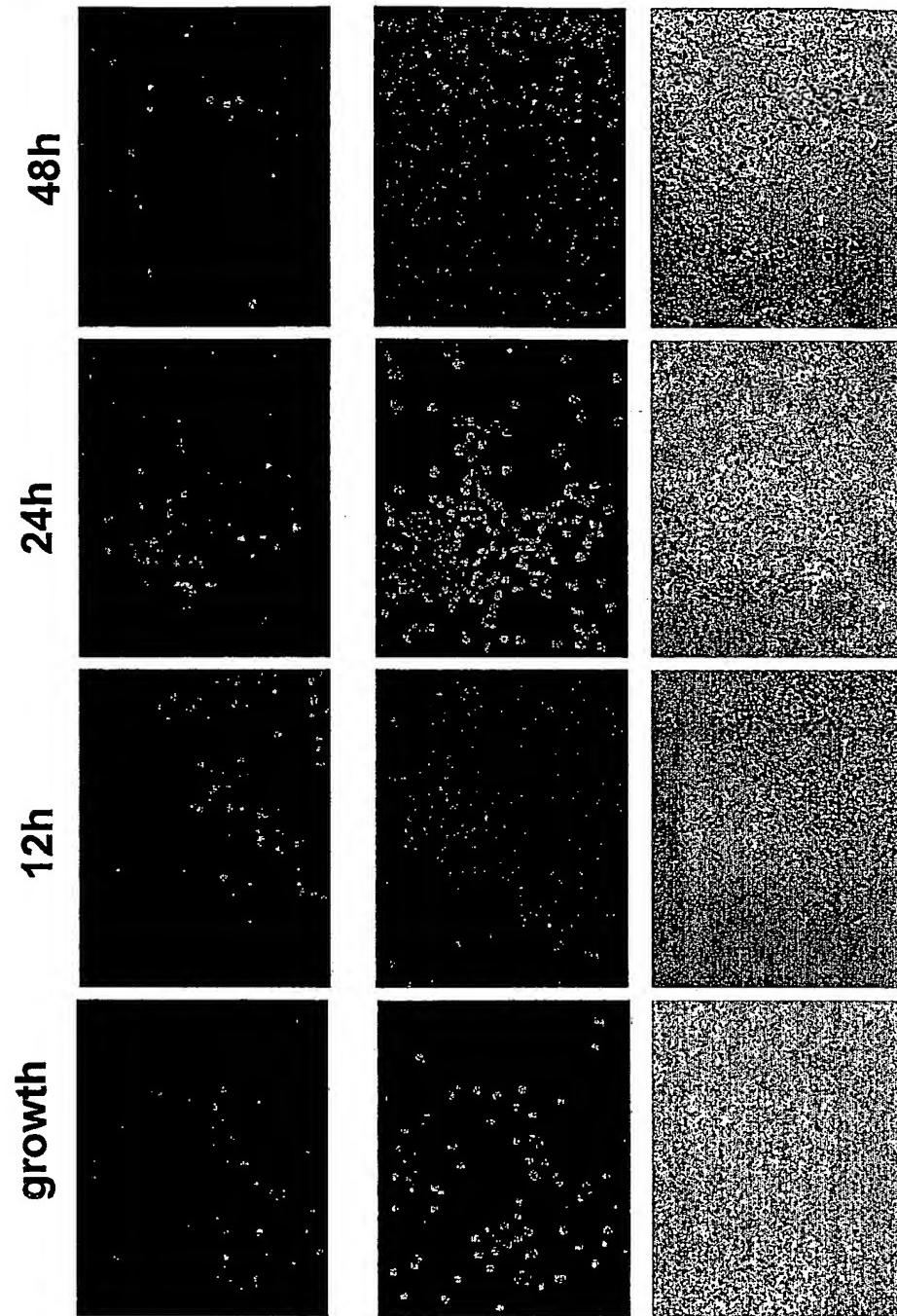


FIGURE 12A

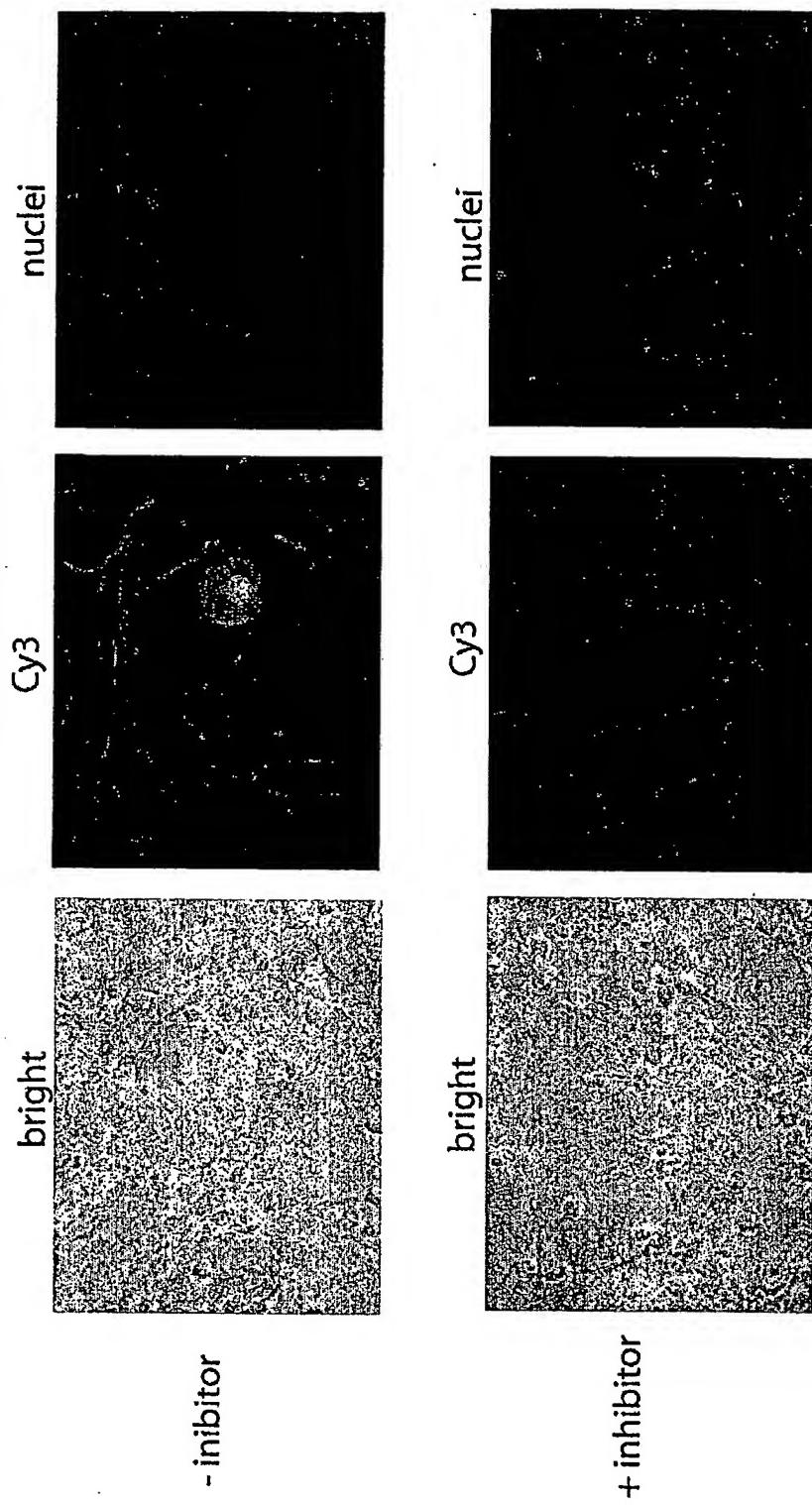


FIGURE 12B

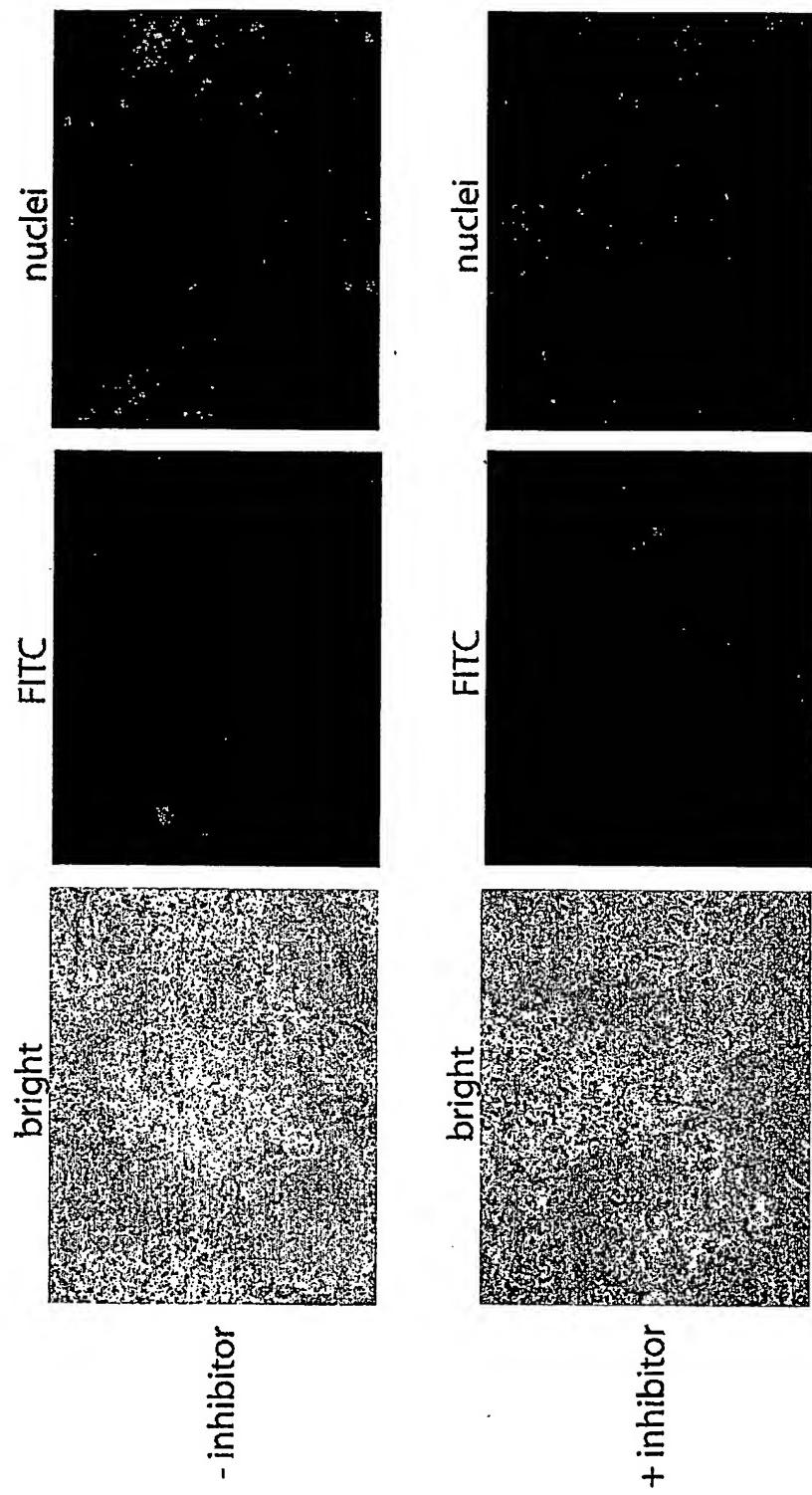


FIGURE 12C

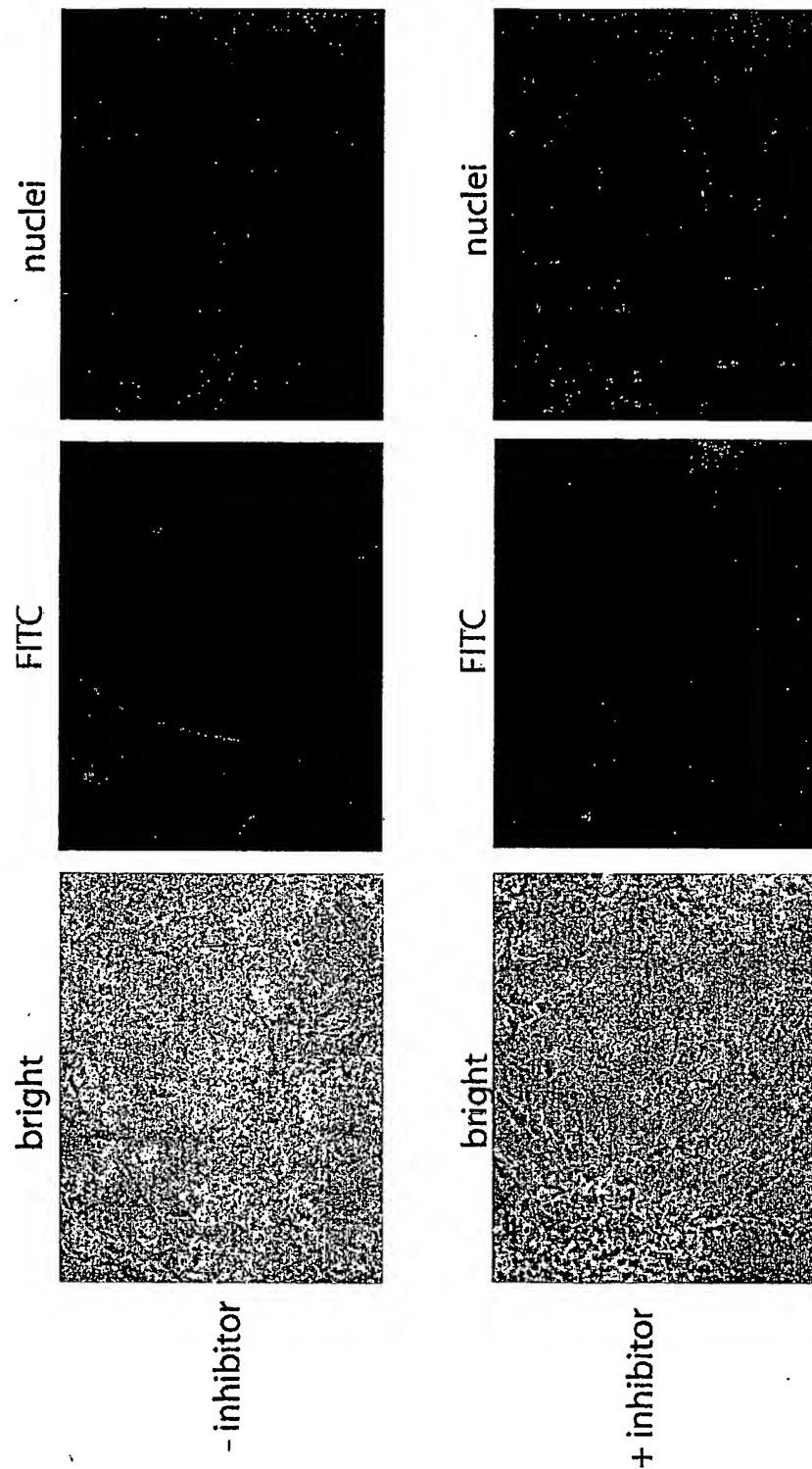


FIGURE 13A

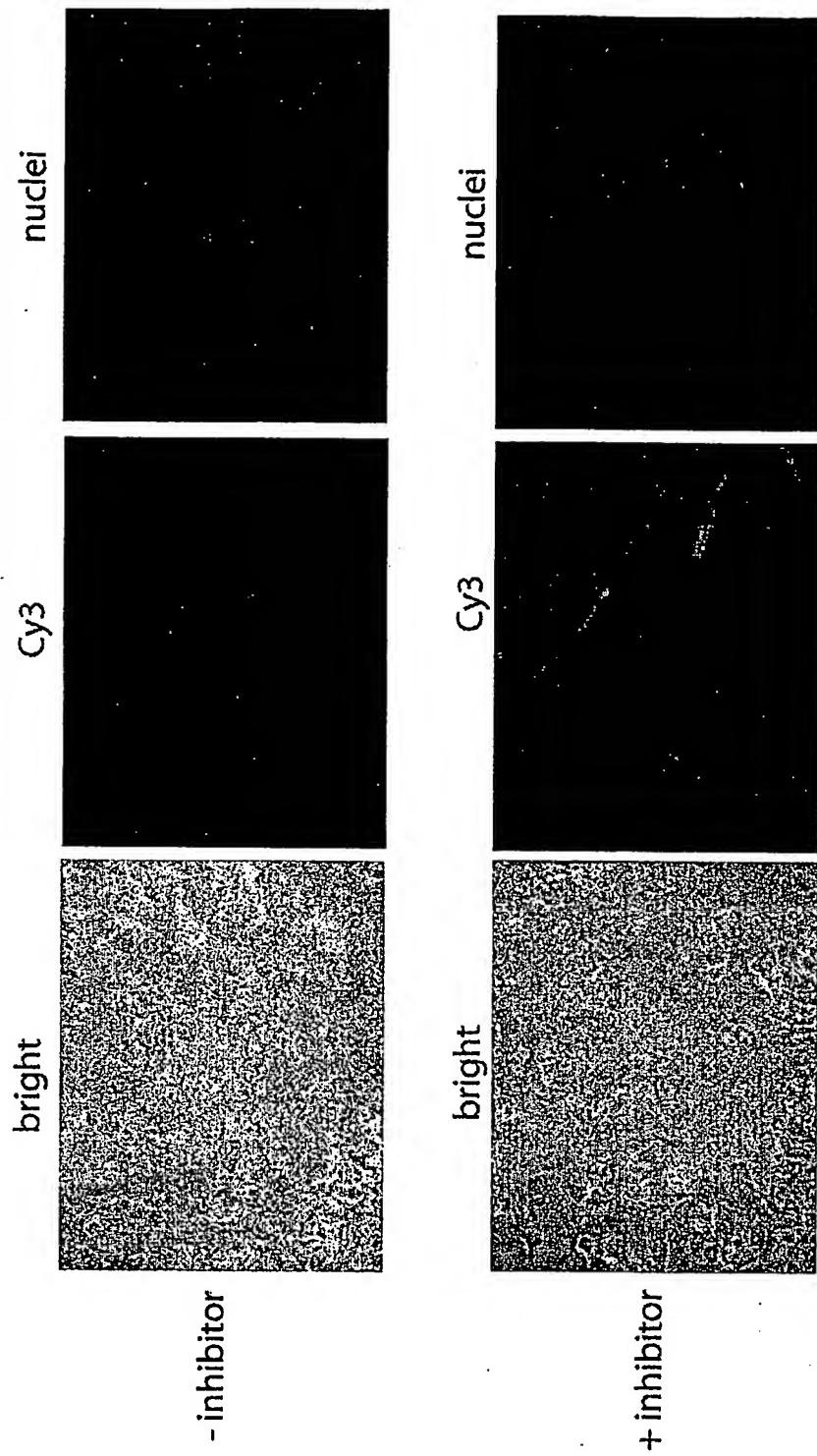


FIGURE 13B

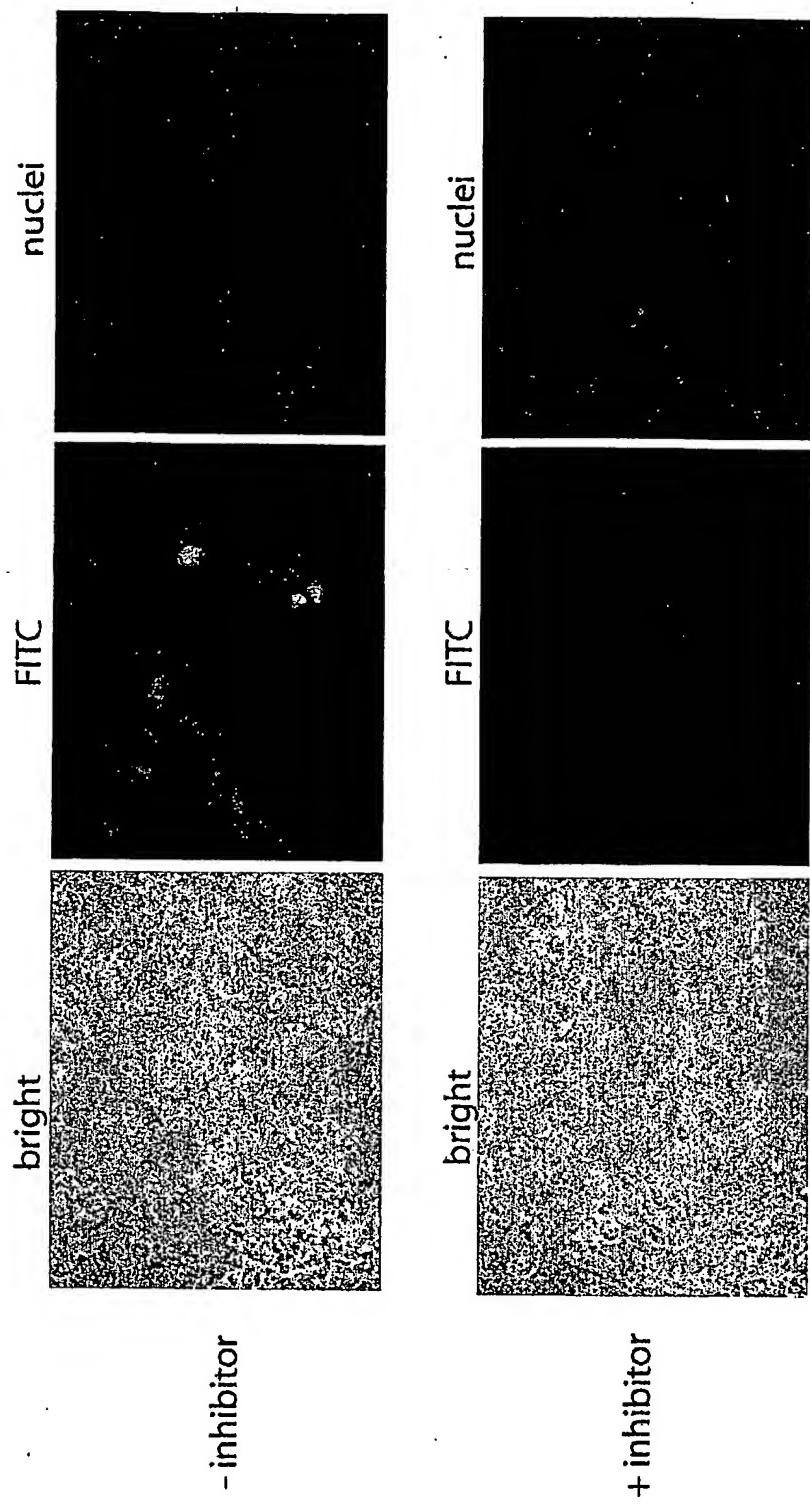
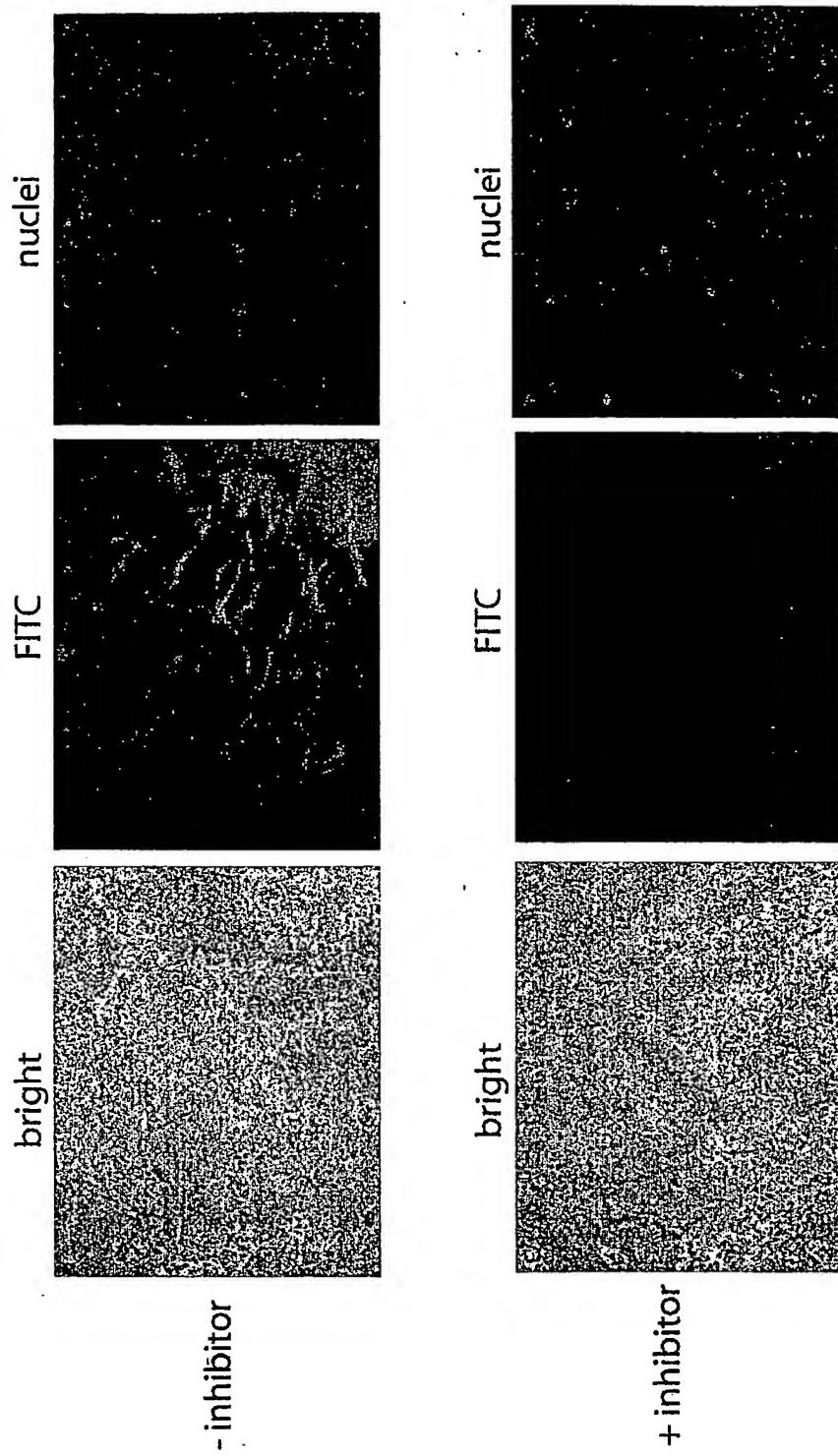


FIGURE 13C



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